

**In the Specification**

Please amend the specification as follows.

Please amend the title as follows:

**VACCINE COMPOSITIONS NON-TOXIC DOUBLE MUTANT FORMS OF  
PERTUSSIS TOXIN AS ADJUVANTS**

Please amend the first paragraph of the specification (the Related Applications section), previously added by the preliminary amendment filed with the application on February 1, 2001, as follows. The additions and deletions are indicated by underlining and strikeouts, respectively.

This application is a continuation of U.S. application serial no. 09/179,272, filed October 27, 1998, entitled VACCINE COMPOSITIONS, and now pending abandoned, which was a continuation of U.S. application serial no. 08/619,600, now abandoned, which was the U.S. national phase of PCT international application no. PCT/GB94/02152, and also claims priority from Great Britain application no. 9324743.5, filed December 2, 1993, and Great Britain application no. 9320454.3, filed October 5, 1993.

Please add the following section headings and amend the specification as follows.

Applicant submits the following section headings and paragraphs with insertions and deletions indicated in marked-up paragraphs by underlining and strikeouts, respectively.

On page 1, after the Related Applications section, please add the following heading immediately prior to the paragraph that begins "This invention relates to....":

**Field of the Invention**

On page 1, before the fourth paragraph that begins "The majority of pathogenic microorganisms...", please add the following heading:

**Description of the Related Art**

On page 6, before the third paragraph, please add the following heading:

Summary of the Invention

B4

On page 9, before the first full paragraph, please add the following heading:

Detailed Description of the Invention

B5

Serial No.: 09/775,909  
Confirmation No. 9660

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Art Unit: 1645

In the Drawings

A Request for Approval and Entry of Formal Drawings with Figs. 1-10 are enclosed.